

ABSTRACT

A vinyl ester composition; a tubular structure such as a hose for conveying fluids in an automotive engine cooler, transmission oil cooler, power transmission cooler, radiator or heater; and a method for preparing the tubular structure are described. The tubular structure includes a single layer of a heat tolerant, pressure resistant, hydrocarbon fluid impermeable composition comprising a copolymer of a first vinyl ester and a second vinyl ester, and one or more additives. The composition may, optionally contain a second polymeric component such as an ethylene-vinyl ester of a C₂ to C₆ carboxylic acid, chlorinated polyolefins, chlorosulfonated polyolefins, polychloroprene, ethylene-acrylic rubber, alkyl acrylate copolymer, polyvinyl acetate, acrylonitrile-butadiene rubber, hydrogenated acrylonitrile-butadiene rubber, ethylene-propylene-diene terpolymer, styrene-butadiene rubber, ethylene-propylene rubber, butyl rubber, cis-polybutadiene, cis-polyisoprene, polyurethane, polyamide and combinations thereof.